

Cracklin' Static

SEPTEMBER 2019 Edition



Breakfast Meeting: Sat, September 7th

Boomtown Casino Hotel
Events Center
I-80 at Exit 4 in Verdi

Breakfast Buffet – 7:30am - \$12
General Meeting – 8:00am

This month Casey Stoddard, GSA, and daughter of KI7VUI, will talk about Jamboree on the Air

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

SNARS Treasury –as of 8/31/2019

Operating	\$6,898
Savings	\$8,851
Self Insurance	\$6,068
Convention	\$4,295
PayPal	\$1,053

Total **\$27,164**

SNARS Membership – ending August 30, 2019

General	110	29%
Extra	131	35%
Technician	115	31%
Advanced	15	4%
No License	2	1%

SNARS Members	374	
ARRL Members	246	66%

President's Voice

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



Hello members, I hope everyone has enjoyed their summer. Time with friends and family, and hopefully time to enjoy our hobby. Maybe try something new. A new mode, maybe portable operation, work an event etc.

Time to plan for winter. Get your antennas ready for bad weather and the tech team will be doing the same for the club sites and equipment.

See you at the meeting! Until then all the best!

73

N7ROJ/John





PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2019 Officers

President.....John Byerly, N7ROJ
Vice-President.....Jim Shepherd, W6US
Treasurer.....Bill Jones, AE7OX
Secretary.....Anthony Marcin, W7XM
DirectorWes Vick, KG7QXE
DirectorJohn Miller N7JDM
DirectorBarry Bettman, K6ST

2019 Staff

Cracklin Static..... Howie Holden, WB2AWQ
W7TA Trustee Peter DeBay, KE7VSR
KR7ENO Trustee Howie Holden, WB2AWQ
Control Operator Pat Sheehan, W7DED
Historian Jon Fox, KF7KTC
Tech Team Lead Pat Sheehan, W7DED
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DMR Net Manager Anthony Marcin, W7XM
Reno Ham Swap Vacant
Webmaster Erik Andreasen, K6CZH
Club Sales Manager.....Julie Dodge, N7JWL
Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden **WB2AWQ** - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 - PL 123.0	Lovelock, Fallon	Online
146.670 - PL 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online

 Online  Offline  Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newsline	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Week Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

Ham Radio Night at the REOC Wednesday, September 4,
6 PM Washoe REOC 5195 Spectrum Blvd, Reno NV

SNARS Board Meeting Wednesday September 11, 6 PM
Chin-Chin 222 Los Altos Pkwy, Sparks NV

QCWA Nevada Chapter Sat, September 14, 11am – 12pm
Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno, NV

Next SNARS Breakfast Meeting – Saturday October 5, 8 AM
Boomtown Casino Hotel Events Center I-80 at Exit 4 Verdi

Nevada QSO Party 8 PM Friday, October 11 to 2PM Sunday
October 13. See: [HTTP://nvqso.com](http://nvqso.com) for details!

WELCOME NEW MEMBERS

Douglas	Barker	KJ7ISO
John	Barnes	KJ7HXC
Philip	Caterino	KJ7ISP
Amber	Cronn	K7KTN
Terence	Felix	KJ7IFT
Christopher	Hoffmann	KA7CJH
Patric	Lassiter	KF7TJA
John	MacDougall	KJ7IFN
Eric	Rich	WM7Y
Craig	Sande	AE7I
Michael	Schreier	K7RHO

THE NAME OF THE GAME

Jim Shepherd, W6US nvjims@gmail.com

KITS AND ELECTRONICS

In the days of yore, most hams built some of their equipment or modified surplus gear to get on the air. Heathkit with a wide variety of kits was another major contributor to the station setups in a lot of hamshacks. The ARRL Handbook was the prime resource for a lot of the building activity as was the help of a lot of Elmers. The smell of hot rosin permeated the air in the shops of the hams.

Today, most of the hams are using commercial equipment and most of them have never had the cover off to look at the innards. All the new gear uses mostly surface mount components that can hide behind a grain of rice. It is hard to work on that gear with an American Beauty soldering iron.

We are seeing an increase in the low power transceivers kits. There are a variety of kits out there for CW, SSB and even the digital modes that are very economic with lots of good features. These all are designed to use through-the-hole mounting techniques, and if they contain surface-mount parts, those come already attached to the printed circuit board.

Some of these kits are now showing up as multi-mode, multi-band radios with a lot of features that you would expect in most entry level commercial gear. They can be built in a few evenings and when you are finished, you will not only have a good radio, but you will know how it is put together, the theory behind its circuitry, and how it works. It is a very good educational activity.

Some kits can actually be put together without soldering. The Elecraft K3s is a good example of a kit that comes as a bunch of pre-assembled circuit boards that need to be mounted in a case and properly interconnected to end up with a unit that is identical to its factory assembled counterparts while saving a few dollars.

Beyond whole radios, there are lots of accessories for the hamshack that can be had in kit form. There is some very good test gear that comes in kit form. A used oscilloscope at the local hamfest may be found in the \$100 price range or you can build a digital storage 'scope for about \$20. There is a \$10 kit component checker that will test resist-

ers, capacitors, inductors, diodes, and most transistors that can be very handy not only to test those components in your junk box, but to assist with the selection of the right parts in other kits that you might build. The modern kit through-hole components are much smaller than their older counterparts and a lot of the parts have micro printing identifying their values, and the paint stripe colors may vary depending upon the type of lighting you have on your workbench. A quick check with this device can confirm the correct values.

Homebrewing circuitry has come a long way from the early days. The use of solid state devices has taken most of this activity into the 12 volt and under range which has definitely improved the safety of this activity. The modern breadboards have made 'no soldering' circuit development and testing very easy. The ability of these construction techniques to interface with computer hardware allows for a wide range of projects. It also allows the easy use of integrated circuits in DIP packages in projects.

The Raspberry Pi and Arduino devices have spawned a large market for breadboarding kits that have a good selection of components to make use of their general purpose input/output connections (GPIO). It is easy to build a device to 'read' your radio's frequency and interface with a remote controlled antenna switch to change antennas. There are a lot of unexplored things that you can do with the ability to easily interface a computer with your radio.

It is also a good way to learn more about electronics. You can easily make changes in circuits to answer the 'what if I change this' questions. There are lots of non-radio circuits that can also be made which may interest the prospective junior ops to start playing with electronics which could lead them to joining our ranks as hams.

If you do make a useful device on the breadboard, you can then build it in a permanent form using either 'dead bug' techniques or even design your own printed circuit board. There were a couple of articles on developing printed circuit boards in the August QST magazine.

Building your own radios, test gear, and other electronic devices is a fun way to expand your participation in the great Ham Radio hobby.

SNARS LOGO ITEMS

This year we are celebrating our 50th year by providing many ways to commemorate this occasion by imprinting our 50th



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00



Club Badge \$15.00

Order at

<http://snars.org/store/badge-order>

Items are available at the monthly meetings, events or online (coming soon) <http://snars.org/store>

MIKE'S MISSIVES CHAPTER FORTY SIX

Mike Katz, N7MSK

PART 97 - STATION LICENSEE RESPONSIBILITIES

EDITOR'S NOTE: *This passage appeared in Cracklin Static several years ago, but the information herein is timeless, and so it is presented again, both to remind us all of its importance, and to make sure the new hams among us know of it.*

97.103 –

(a) The station licensee is responsible for the proper operation of the station in accordance with the FCC Rules. When the control operator is a different amateur operator than the station licensee, both persons are equally responsible for proper operation of the station.

(b) The station licensee must designate the station control operator. The FCC will presume that the station licensee is also the control operator unless documentation to the contrary is in the station records.

(c) The station licensee must make the station and the station records available for inspection upon request by an FCC representative. When deemed necessary by a District Director to assure compliance with the FCC rules, the station licensee must maintain a record of station operations containing such items of information as the District Director may require in accord with 0.314(x) of the FCC Rules.

97.105 -Control Operator duties

(a) The control operator must ensure the immediate proper operation of the station, regardless of the type of control.

(b) A station may only be operated in the manner and to the extent permitted by the privileges authorized for the class of operator license held by the control operator.



NAME THAT RIG

(Answer on page 13)



NVCON NOTES

BY W6US

The recent survey results are in. Thanks to all those who dealt with the survey problems that redirected you after each question. It didn't do that in the testing, only when we went live.

1. Did you attend NVCON any time in the last 2 years?

21%-No, 25%-Once, 54%-Both years

2. Did you attend any of the educational events offered at NVCON?

34.8%-No, 23%-1 or 2, 25.7%-3-5, 6.8%-6 or more

3. How worthwhile was your time spent in these educational events?

28.6-Did not attend any, 2%-Waste of time, 24.5%-somewhat useful, 44.9%-very useful

4. How would you rate the quality of the Vendors at the event? (1-very poor, 10-very good)

1

1-3.8%, 2-0, 3-0, 4-0, 5-9.6%, 6-7.7%, 7-5.8%, 8-28.8%, 9-15.4%, 10-28.8%

5. Did you buy anything from the Vendors?

Nothing-10%, few small parts-18%, under \$100-22%, spent a couple 100-30%, blew my annual budget for ham gear-12%

6. Did you buy any Raffle tickets?

None-38.8, single ticket-18.3%, single \$20 book-30.6%, 2 or more \$20 books-12.2%

7. How would you rate the Raffle prizes?

Poor-2.6%, fair but need more-7.9%, good but needed more-15.8%, good quality and quantity-36.9%, very good overall-31.5%

8. How do you feel about the admission price of \$5 this year?

too high-0, about right-59.6%, should be \$10-21.1%, should be higher-19.2%

9. Did you attend NVCON Swap Meet out in the parking lot any time in the last 2 years?

No-40.7%, only 1 year-27.8%, both years-31.5%

10. How interested are you in seeing the NVCON event continue here in the Reno/Sparks area?

End this event-5.7%, every other year-28.3%, make it an annual event-66%

SHORT TAKES

HAM RADIO NIGHT, SEPTEMBER 4, 2019

Help night to get new hams licensed in the last couple of months on the air. There may be some DMR programming help available at that time.

CONTEST CALENDAR

Some interesting contests are popping up in September. The ARRL September VHF contest is an interesting one to get you on a mountaintop on the 14th through the 16th. The Washington Salmon Run QSO party is September 21st and 22nd, and some of the top prizes are packages of smoked salmon. There are dozens more this month and you can get more information at <https://www.contestcalendar.com/contestcal.html>

DX

There are some interesting ones on the air at this time. <https://www.ng3k.com/Misc/adxo.html> has a good list!

73, Jim

NV QSO PARTY

I know Jim will have a formal blurb on the NV QSO Party in the October CS, but I had to get on my editorial soapbox here. NV QSO Party isn't simply for **OUR** state, it's also sponsored by **OUR** club! How WE, as a club, present ourselves on the air is crucial to the success of NVQP. Each of us needs to make the effort to get on the air for NVQP, no matter the mode. If WE, as a club, make enough noise in NVQP, the event will be a success! Be there! I will.....

73, WB2AWQ

W7SSB's FUN STUFF

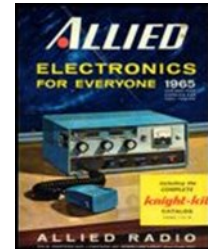
How a leather products hobby company (Tandy) and the Radio Shack Company of Boston merged to form the largest electronic retail (stores, catalog, mail order) operation in the world !



+



=



<http://www.radioshackcatalogs.com/history.html>

Great reading !

Universal Radio Inc. History The story of one of the oldest amateur radio / electronics re-tailer in the US ! Starting in 1942 by F.R " Gibby " Gibb W8IJ



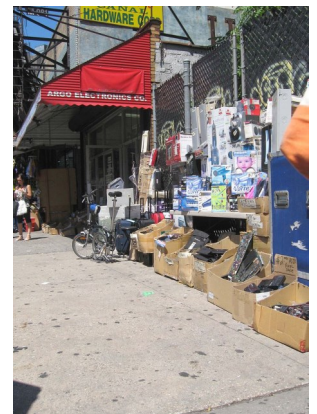
<https://www.universal-radio.com/location.html>

Great history of continued operations!

Both of these companies help fill in some of the great radio / electronics hobby history of the US!

Radio Row

Once upon a time in NYC the once great radio row of retail stores! (Editor's note: Radio Row in NYC wasn't the only "Radio Row" around, but it was the largest, and most famous, and a sight to see. Yours truly was there in 1962



after taking the General exam)

<https://www.qcwa.org/radio-row.htm>

Torn down for the Twin Trade Towers in 1966!

Till next month stay tuned!

W7SSB

YOUTH INVOLVEMENT

Jamboree on the Air (JOTA) annual ham radio scouting event is upcoming on the 3rd weekend in October, on the 18th through the 20th this year. SNARS will be co-hosting this youth activity with Casey Stoddard (17 year old girl) who is doing this project to achieve her Girl Scout Gold Award, which is the most prestigious award in the world for girls (and the most difficult to earn).

Casey will be also speaking and sharing about SNARS ham radio involvement for JOTA with all of us at the upcoming SNARS breakfast meeting on Saturday, September 7th.

62nd JOTA: October 18-20, 2019

Jamboree on the Air provides the opportunity for millions of Scouts around the world to meet on the air via Amateur Radio. Get ready for the 62nd annual on-the-air event!



What is JOTA?

When Scouts want to meet young people from another country, they usually think of attending a World Jamboree. But few people realize that each year more than a million Scouts and Guides "get together" over the airwaves for the annual Jamboree-on-the-Air (JOTA). During the 2014 event, worldwide Scouting participation included 1.1 million Boy Scouts and 200,000 Girl Guides/Girl Scouts, for a total participation of over 1.3 million--the largest Scouting event in the world.

Modern technology offers Scouts the exciting opportunity to make friends in other countries without leaving home. JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio waves. Since 1958 when the first Jamboree-on-the-Air was held, millions of Scouts have met each other through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years. With no restrictions on age or on the number of participants, and at little or no expense, JOTA allows Scouts to contact each other by ham radio. The radio stations are operated by licensed amateur radio operators. Many Scouts and leaders hold licenses and have their own stations, but the majority participate in JOTA through stations operated by local radio clubs and individual radio amateurs. Some operators use television or computer-linked communications.

Read about more details on JOTA <http://www.arrrl.org/jamboree-on-the-air-jota>

73,

Barry K6ST k6st@arrrl.net

Nevada Section Youth Coordinator

ARRL (American Radio Relay League) arrrl.org

FUN STUFF FOR SEPTEMBER

Some of the better September contests are listed below. Those in **BOLD** are ARRL or NCJ sponsored, and may qualify for the Gavel Award. See <http://www.arrl.org/files/file/Contest%20Corral/2019/September%202019%20Corral.pdf> for a complete list of contests.

8 Sep 0000 to 8 Sep 0400 3.5-14 North American Sprint, CW
ncjweb.com

14 Sep 1800 to 16 Sep 0259 50 and up ARRL September VHF Contest CW Ph Dig www.arrl.org/september-vhf

15 Sep 0000 to 15 Sep 0400 3.5-14 North American Sprint, RTTY Dig **ncjweb.com**

15 Sep 1300 to 18 Sep 0700 1.8-144 Classic Exchange, CW
www.classicexchange.org

21 Sep 0000 to 22 Sep 2359 2.3 GHz and Up ARRL EME Contest CW Ph Dig www.arrl.org/eme-contest

21 Sep 0600 to 22 Sep 2359 10 GHz to light ARRL 10 GHz and Up Contest CW Ph Dig www.arrl.org/10-ghz-up

22 Sep 1300 to 25 Sep 0700 1.8-144 Classic Exchange, Phone
www.classicexchange.org

28 Sep 0000 to 29 Sep 2359 3.5-28 CQ Worldwide DX Contest, RTTY Dig www.cqwwrtty.com

If you're not into contests, there's always DX to chase! September's good stuff is scattered around the globe. Some of the better DX operations coming up in September:

Sep 02 to Sep 08 **Fiji 3D2VR**

Sep 02 to Sep 12 **Faroe Is OY**

Sep 02 to Sep 15 **Kyrgyzstan EX0QP**

Sep 05 to Sep 09 **Mongolia JT7A**

Sep 06 to Sep 09 **Palau T88PB**

Sep 06 to Sep 15 **West Kiribati T30L**

Sep 06 to Sep 22 **Corsica TK19IOTA**

Sep 07 to Sep 10 **Niue E6AN**

Sep 08 to Sep 21 **Ghana 9G5QU**

Sep 13 to Sep 16 **Ceuta & Melilla EA9**

Sep 14 to Sep 18 **Somalia 6O7O**

Sep 15 to Sep 22 **Mariana Is WH0RU**

Sep 15 to Sep 30 **eSwatini 3DA0AO**

Sep 16 to Sep 21 **Tonga A35J4**

Sep 16 to Sep 25 **Nauru C21W**

Sep 21 to Sep 27 **Isle of Man MD**

Sep 29 Oct 05 **Tanzania 5H3MB**

Sep 29 Oct 13 **Cape Verde Is D44TWO**

Sep 30 Oct 11 **Liberia A82X**

See <https://www.ng3k.com/Misc/adxo.html> for a complete DX listing

CHANGES

For all of us, life brings major changes from time to time. Jon Fox, KF7KTC, widely known for his mastery of Field Day cooking at W7TA, has relocated to the Philippines, with his new bride Cecilia. We recently got some correspondence from Jon, which I'd like to share, with Jon's kind permission:

Hi Howie and Ken,

We are doing great here in Jaen, on Luzon Island. The weather is very rainy, and we are having pretty much consecutive tropical storms and typhoons, which is normal for this time of year. It is the rainy season.

My travel through Hongkong was quiet. I spent a day there and saw no demonstrations or protests anywhere citywide. I was at the airport, downtown Hongkong, Kowloon, and Stanley. No problems anywhere.

On the 25th of August, Cecilia gave birth to our son. She had less than 2 hours of heavy labor, and delivered about 15 minutes after arrival at the birth center.

Jon James Ponciano Cudia Fox weighed 3.5kg, or 7.7lbs. Baby and mother are both doing great. Photos are attached.



Continued on page 13.....

ARES NEWS

This frequency chart is what we use from the National Weather Service when NWS activates SKYWARN. With our severe thunderstorms these are the frequencies we will use. There is a SKYWARN Class scheduled for Friday at NVCON.



WCARES®



COUNTY	MEMORY	REPEATER	PL	NOTES:
Alpine, Ca	13	147.330	123.0	Leviathan, Minden, Carson, Alpine Co
	4	146.940	123.0	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	10	147.240	100.0	Heavenly Valley Heavenly Vly, Most Lake, into Sacramento
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Churchill	7	147.150	123.0	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100.0	Peavine Pk
	6	147.030	123.0	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
	5	146.970	100.0	Eagle Covers Silver Springs and Fallon
Carson City	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	4	146.940	123	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	14	147.390	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
Douglas	13	147.330	123.0	Leviathan Pk, Minden, Carson, Alpine Co
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Eldorado, Ca	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Lassen, Ca	8	147.180	107.2	Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
Lyon	5	146.970	100.0	Lahontan (Silver Springs, Fallon)
	1	146.610	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	7	147.150	123.0	Mt Rose (Silver Springs, Yerington, Smith Valley)
Mineral				
Modoc, Ca				
Mono, Ca				
Nevada, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk

Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
Placer, Ca	10	147.240	123	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Plumas, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
Sierra, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	13	147.330	123	Leviathan Pk, Minden, Carson, Alpine Co
Storey	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
		146.850	123	Storey County ARES
Washoe	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
EchoLink and IRLP	3	146.895	100	KA7ZAU Peavine Pk (Node #357948 (#73 to clear #15 to activate #73 when done))
	12	147.300	123.0	Grand Sierra Resort (Node #7873)
DMR		TALK GRPS		SNARS and/or NEVADA

Yellow highlighted are linked repeaters



ANNUAL COMMUNICATIONS EVENTS CALENDAR 2019

Carson Valley, Tahoe, Reno, Plumas County

Revised 6-29-19

EVENT 2019	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Tour De Tahoe	9/8/19		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/8/15	9/15/19	WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com
Bear Growl Gravel Grinder	9/15/19		Plumas ARC	KJ6CUG	dltrotter@sbcglobal.net
Edible Pedal 100	9/15/19		Sunrise Rotary Club	Bob Miller WA6MTY	wa6mtv@gbis.com
Grinduro SBTS	9/28/19		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Nevada Day Parade	10/26/19		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739.
Turkey Trot	11/28/19		WC-ARES	Bob Miller WA6MTY	wa6mtv@gbis.com

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

1. Saturday Sept 7th is our next training and our guest speaker is Chris Johnston from NWS to give our annual SKYWARN training. 10:00 AM, REOC, 5195 Spectrum Blvd Reno
2. Sept 8-15th is the Reno Air Races. If you want free access you must volunteer 15 hours for a \$500 value.
3. Sept 15th is Edible Pedal Bike ride, I need more operators. If you can help please let me know.

Emergency Coordinator for Washoe County

Amateur Radio Emergency Service

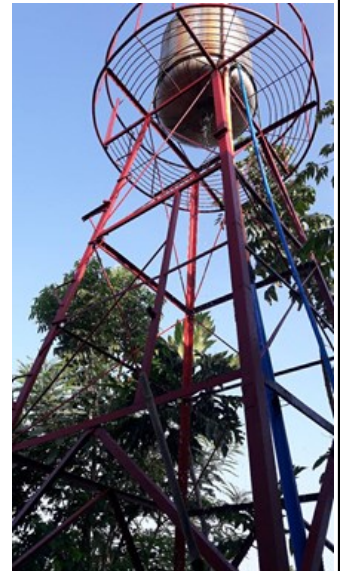
Bob WA6MTY 775 843-5952 www.wcares.us wa6mtv@gbis.com

CHANGES (continued from page 10.....)

I haven't had the opportunity to get together with any ham group here yet, as we have been very busy, but I will sometime this month. I have scouted out a good location for an antenna. The water tank tower can handle a mount for a small beam on one side at the top of the tower.

Attached are two photos. The potential location already has a small diameter pipe attached to it with a clamp. However, I think I will need something much more substantial. Perhaps I will use that location for a 2m and 70cm antenna. One big factor to consider here are the hurricane force winds at times, and the torrential rains. I will eventually figure it all out with some local assistance.

Feel free to share anything here with club members. Anyone is also free to email me if interested. You can share my email address. 73, Jon KF7KTC yaquipoet@gmail.com



NAME THAT RIG (from page 6)

In the early-mid 1960s, **Gonset**, already a name in the HF/VHF scene, came out with the **Sidewinder** series of radios. These replaced the venerable Gonset "Communicator" radios, long the standard particularly in CD communications. The Sidewinders – for either six or two meters – could run AM, SSB, or CW, at that point a rare combination, but sort of a predecessor for the YaeCom-Wood crowd with their all-mode VHF transceivers. The Sidewinders were fully solid state on receive using only germanium transistors, and used just three tubes in the transmit side, to generate 20 watts CW or SSB PEP, or 6 watts AM. Coverage was full-band, including a VFO on the transmit side. The sidewinders also could be used with either an AC or a DC supply which bolted on the back, for mobile or home use. While both the concept and performance was good, the Japanese all-modes soon overtook Gonset, and the company went under soon thereafter.

NVCON 2019

(Editor's note: I only received responses from two people following my request in last month's CS for NVCON photos, not enough to make a comprehensive article. So herein are photos I received, and I was unable to get to NVCON myself. Enjoy.....WB2AWQ)



Main entrance staffed by SNARS members photo
KF7KTC



Another entrance, showing the ARRL table photo W7SSB



Crowd shot photo W7SSB



Another crowd shot photo W7SSB



Western Case Company photo KF7KTC



Impulse Electronics Photo KF7KTC



ICOM booth

photo W7SSB



MFJ Enterprises

photo W7SSB



Connect Systems Inc

photo KF7KTC



Another shot of ICOM

photo KF7KTC



Henry Rogers WA7YBS of Radio Boulevard and former Western Historic Radio Museum fame, with some old receivers

photo W7SSB



More old receivers from WA7YBS . Check out:

www.radioblvd.com !

photo KF7KTC



Ham Radio Outlet

photo W7SSB



Always the food.....

Photo W7SSB



Dan KM6CQ demonstrating a CW paddle

photo KF7KTC



KF7KTC operating W7TA

photo KF7KTC

THE END

Board meeting cancelled, no minutes this month

